

ABSTRACT

An engine fuel essentially consisting of alcohol may contain a relatively large amount of water in comparison with conventional gasoline and diesel oil. Water can penetrate into a clearance between an intake valve seat and a mounting reception portion of a cylinder head when the alcohol engine fuel and air are introduced through an air inlet having the intake valve seat. A plating layer is formed on the surface of an iron-based valve seat main body provided at a mounting reception portion formed at an air inlet of a cylinder head made of an aluminum alloy. The plating layer intervenes between the cylinder head and the valve seat main body, so that a potential difference between the dissimilar metals for the mounting reception portion and the valve seat main body is reduced through water, thereby preventing galvanic corrosion.